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PATENT ABSTRACTS OF JAPAN

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(71) Applicant: HITACHI LTD

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(54) DISHWASHER

(57) Abstract:

PROBLEM TO BE SOLVED: To prevent generation of swirls and reduce water supply and save energy in the washing and rinsing process by fitting a cover to an intake for washing water in a dish container tank.

SOLUTION: When water supply is a little, a swirl arises on the water face of washing water in a dish container tank 3 and air is sucked from the washing water intake 60 into a pump 11 and the pressurized water decreases and further noise gets large. In order to prevent generation of a swirl, the washing water jetted out of an arm nozzle 10 is returned into a water reservoir 20 and rectified by a plate 61a at the front end of a washing water intake cover 61 to flow to the pump 11 from the washing water intake 60. The opening area between the plate 61a and the water reservoir 20 is made larger than the area of the washing water intake 60. In case of the constitution, since the dishwasher can be driven even in a smaller quantity 50 of supply water than the conventional case, water supply can be reduced and electric supplying

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time for a heater can be reduced to save energy.

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